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In the Claims:

1. (Currently amended) A biodegradable or bioerodible polymeric composition consisting essentially of hydrophilically crosslinked AB diblocks, where A is a polyester unit derived from the polymerization of monomers selected from the group consisting of lactic acid, lactide, glycolic acid, glycolide, β -propiolactone, ϵ -caprolactone, δ -glutarolactone, δ -valerolactone, β -butyrolactone, pivalolactone, α,α -diethylpropiolactone, ethylene carbonate, trimethylene carbonate, γ -butyrolactone, p-dioxanone, 1,4-dioxepan-2-one, 3-methyl-1,4-dioxane-2,5-dione, 3,3,-dimethyl-1-4-dioxane-2,5-dione, cyclic esters of α -hydroxybutyric acid, α -hydroxyvaleric acid, α -hydroxyisovaleric acid, α -hydroxycaproic acid, α -hydroxy- α -ethylbutyric acid, α -hydroxyisocaproic acid, α -hydroxy- α -methyl valeric acid, α -hydroxyheptanoic acid, α -hydroxystearic acid, α -hydroxylignoceric acid, salicylic acid and mixtures, thereof and B is a polyoxyalkylene polymer which is end-capped with a non-reactive group, said AB diblock being further reacted with one or more water soluble or water dispersible crosslinking agents to produce crosslinked diblock polymers.

2. (Original) The composition according to claim 1 wherein said non-reactive group is an alkyl, aryl, aralkyl, substituted alkyl, substituted aryl, substituted aralkyl, a protecting group or a -C=C- containing group.

3. (Original) The composition according to claim 2 wherein said non-reactive group is a C₁-C₁₂ alkyl group.

4. Canceled.

5. Canceled.

6. (Original) The composition according to claim 1 wherein said polyester comprises

poly(hydroxy carboxylic acid).

7. (Original) The composition according to claim 1 wherein said polyester is obtained from polymerization of an aliphatic hydroxycarboxylic acid or ester selected from the group consisting of L-lactic acid, D,L-lactic acid, glycolic acid, L-lactide, D,L-lactide, glycolide, caprolactone or mixtures thereof.

8-88. Canceled.

89. (Previously presented) The composition according to claim 2 wherein said non-reactive group is an optionally substituted alkyl group.

90. (Previously presented) The composition according to claim 89 wherein said non-reactive group is a methyl group.

91. (Previously presented) The composition according to claim 90 wherein said polyoxyalkylene polymer is a polyethyleneoxide polymer.

92. (Previously presented) The composition according to claim 1 wherein A is a polyester unit derived from the polymerization of lactide monomers.

93. (Previously presented) The composition according to claim 2 wherein A is a polyester unit derived from the polymerization of lactide monomers.

94. (Previously presented) The composition according to claim 3 wherein A is a polyester unit derived from the polymerization of lactide monomers.

95. (Previously presented) The composition according to claim 89 wherein A is a

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polyester unit derived from the polymerization of lactide monomers.

96. (Previously presented) The composition according to claim 90 wherein A is a polyester unit derived from the polymerization of lactide monomers.

97. (Previously presented) The composition according to claim 91 wherein A is a polyester unit derived from the polymerization of lactide monomers.

98. (Previously presented) The composition according to claim 92 wherein said polyoxyalkylene polymer is a polyethyleneoxide polymer.

99. (Previously presented) The composition according to claim 93 wherein said polyoxyalkylene polymer is a polyethyleneoxide polymer.

100. (Previously presented) The composition according to claim 94 wherein said polyoxyalkylene polymer is a polyethyleneoxide polymer.

101. (Previously presented) The composition according to claim 95 wherein said polyoxyalkylene polymer is a polyethyleneoxide polymer.

102. (Previously presented) The composition according to claim 96 wherein said polyoxyalkylene polymer is a polyethyleneoxide polymer.

103. (New) The composition according to claim 1 wherein said crosslinking agent comprises (poly)ethylene oxide chains.

104. (New) The composition according to claim 1 wherein said crosslinking agent comprises (poly)ethylene oxide-co-(poly)propylene oxide chains or (poly)ethylene oxide rich

chains.

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